

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	791	(shower bath bathtub tub water) same (drain draining) same (screen filter screens filters strainer strain membrain) same (cells cell DNA RNA evidence hair hairs sample samples)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 13:58
S2	1	"0313068".PN.	USPAT	OR	OFF	2003/10/29 13:09
S3	1	"0594169".PN.	USPAT	OR	OFF	2003/10/29 13:09
S4	1	"0938607".PN.	USPAT	OR	OFF	2003/10/29 13:09
S5	1	"1115016".PN.	USPAT	OR	OFF	2003/10/29 13:09
S6	1	"1217763".PN.	USPAT	OR	OFF	2003/10/29 13:09
S7	1	"1935128".PN.	USPAT	OR	OFF	2005/02/04 14:02
S8	1	"5546614".PN.	USPAT	OR	OFF	2003/10/29 13:09
S9	85	((shower bath bathtub tub water) same (drain draining) same (screen filter screens filters strainer strain membrain) same (cells cell DNA RNA evidence hair hairs sample samples)) and (rape crime criminals criminal evidence)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/29 13:22
S10	239	(shower bath bathtub tub) same (drain draining) same (screen filter screens filters membrain) same (cells cell DNA RNA evidence hair hairs sample samples)	USOCR	OR	OFF	2003/10/29 13:25
S11	45	evidence and (wipe rub) same (tub bath bathtub shower)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/02 06:01
S12	3860	(shower bath bathtub tub water) same (cells cell DNA RNA evidence hair hairs sample samples) same (wipe wiped rub cloth rag)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/02 06:07
S13	52	((shower bath bathtub tub water) same (cells cell DNA RNA evidence hair hairs sample samples) same (wipe wiped rub cloth rag)) and (crime criminal rape murder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/02 06:04
S14	183	(shower bath bathtub tub) with (wipe wiped rub cloth rag) same (cells cell DNA RNA evidence hair hairs sample samples)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/02 06:07

## EAST Search History

S15	94	(shower bath bathtub tub) same (drain draining) same (screen filter screens filters membrain) same (cells cell DNA RNA evidence hair hairs sample samples)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/02 06:20
S16	6	((shower bath bathtub tub) same (drain draining) same (screen filter screens filters membrain) same (cells cell DNA RNA evidence hair hairs sample samples)) and (hole holes opening openings mesh) same (small smaller little littler decrease decreasing) same (middle center)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/02 06:21
S17	2	"de 4434544 C1"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 07:32
S18	2	("5578459").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 07:33
S19	2	("5043082").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/03 07:33
S20	246	(4/652,222.1,256.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:37
S21	5	("0212614"   "1204316"   "1722891"   "2191686"   "2288767").PN.	USPAT	OR	OFF	2004/07/09 16:19
S22	529	(4/629,654,655,680,520,637).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:44
S23	1049	((4/286,287,288,289,290,291,292). CCLS.) and @pd<="20031029"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:45

## EAST Search History

S24	8	((4/286,287,288,289,290,291,292).CCLS.) and @pd>="20031029"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:47
S25	2	("4426295").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:48
S26	232	cell with drain with outlet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:49
S27	13	liner same drain same (trap screen) and (sink tub shower)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:52
S28	22	liner same (trap screen) same (sink tub shower)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:54
S29	715	liner with (sink tub shower)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:54
S30	10	liner with (sink tub shower) and drain with (trap screen traps)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 16:56
S31	5	liner with (sink tub shower) and (trap screen traps) with (lid housing top close)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 17:00
S32	238	(4/520,580).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/09 17:06

## EAST Search History

S33	18	(tub sink shower) with hair with (trap screen drain) same (housing lid cover shut open)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/07/09 17:07
S34	1058	(4/286,287,288,289,290,291,292). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/12 07:22
S35	3	((4/286,287,288,289,290,291,292). CCLS.) and 18a with 18b	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/12 07:22
S36	8	(US-6197574-\$ or US-4825477-\$ or US-4671976-\$ or US-1442361-\$ or US-0938607-\$ or US-1115016-\$ or US-4426295-\$ or US-5040252-\$). did.	USPAT	OR	OFF	2004/07/12 07:32
S37	2	(US-3402407-\$ or US-1467772-\$). did.	USOCR	OR	OFF	2004/07/12 07:32
S38	2	((US-6197574-\$ or US-4825477-\$ or US-4671976-\$ or US-1442361-\$ or US-0938607-\$ or US-1115016-\$ or US-4426295-\$ or US-5040252-\$). did.) and hair	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/12 07:32
S39	2	("1442361").URPN.	USPAT	OR	OFF	2005/02/04 13:58
S40	18	("1001122"   "1164197"   "1213466"   "1442361"   "1613251"   "1993321"   "3121879"   "3914807"   "4307901"   "6192531"   "6289532").PN. OR ("6836911"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/04 14:01
S41	2	("5043082").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 14:01
S42	4	("4232407").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 14:26
S43	5953	vortex with separat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 14:27

## EAST Search History

S44	159	vortex with separat\$ with heav\$3 with partic\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 14:33
S45	3378	((4/652,222.1,256.1,520,580,286, 287,288,289,290,291,292) or (600/562,563,569,570,572,573)). CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 14:33
S46	90	S45 and @pd>="20040709"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 14:34
S47	4	("4232407").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 14:37
S48	32	("0194329"   "0220559"   "0803979"   "2328382"   "2352642"   "2371449"   "2382427"   "2594318"   "2598002"   "3118468"   "3565106"   "3707986"   "4098287"   "4289166"   "4501374"   "4524805"   "4828554"   "4870992"   "5551483"   "5727593"   "5881772"   "6092551").PN. OR ("6795987").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/04 14:43
S49	37	drain same (screen screening) with hair	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/04 14:46
S50	410	drain with hair	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/04 14:46
S51	23	("0171002"   "0247273"   "1956654"   "2169896"   "2188613"   "2450393"   "2793373"   "2875958"   "3010120"   "3800339"   "4143432"   "4752035"   "5265281"   "5271108").PN. OR ("6601242"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/04 15:04
S52	1	("171002").URPN.	USPAT	OR	OFF	2005/02/04 15:34
S53	2	("5043082").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/04 15:34

## EAST Search History

S54	305	evidence with screen	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/07 02:51
S55	6	evidence with screen same (bath tub sink drain)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/07 02:51
S56	23	("0171002"   "0247273"   "1956654"   "2169896"   "2188613"   "2450393"   "2793373"   "2875958"   "3010120"   "3800339"   "4143432"   "4752035"   "5265281"   "5271108").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/01 12:25
S57	5231	drain with (filter screen strain\$) same (lid top close)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/01 12:26
S58	54	drain with (filter screen strain\$) same (lid top close) same (hair)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/01 12:27
S59	13	S58 and @ad<"20000720"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/01 12:27
S60	2	("6601242").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/02 09:04
S61	1	("0171002").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 13:59
S62	2	("6067669").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 13:59
S63	2	("6088844").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 16:04

## EAST Search History

S64	6	(("6088844") or ("4232407")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 16:04
S65	23	("0171002"   "0247273"   "1956654"   "2169896"   "2188613"   "2450393"   "2793373"   "2875958"   "3010120"   "3800339"   "4143432"   "4752035"   "5265281"   "5271108").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 16:24
S66	2	("6926725").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 16:24

## EAST Search History

S67	141	( "20020165567"   "2756752"   "3108594"   "3612058"   "3741214"   "3749085"   "3841308"   "4030503"   "4559046"   "4579127"   "4614188"   "4646736"   "4664112"   "4676778"   "4706671"   "4732154"   "4745919"   "4794928"   "4819634"   "4883460"   "4935025"   "4984581"   "5011488"   "5024651"   "5054501"   "5069662"   "5078722"   "5078723"   "5116352"   "5195954"   "5217026"   "5248296"   "5250060"   "5251640"   "5261877"   "5269751"   "5269793"   "5313967"   "5334211"   "5345945"   "5370653"   "5372144"   "5395311"   "5403334"   "5423799"   "5423838"   "5484412"   "5488958"   "5490859"   "5497782"   "5514092"   "5527326"   "5542925"   "5551443"   "5562275"   "5584843"   "5599307"   "5605162"   "5630823"   "5632755"   "5653722"   "5683362"   "5688234"   "5695507"   "5695508"   "5702412"   "5702413"   "5728123"   "5733296"   "5746758"   "5755968"   "5766191"   "5766192"   "5776153"   "5830156"   "5833631"   "5833644"   "5840046"   "5843103"   "5876413"   "5876414"   "5882329"   "5885227"   "5895398"   "5902263"   "5904679"   "5910364"   "5916166"   "5919163"   "5938623"   "5941869"   "5947985"   "5954737"   "5971991"   "5972019"   "5984877"   "6001068"   "6001112"   "6004279"   "6019736"   "6022336"   "6022363"   "6030397"   "6036708"   "6056721"   "6066158"   "6080170"   "6102884"   "6113614"   "6129750"   "6143009"   "6146396"   "6146397"   "6152909"   "6156046"   "6168570"   "6183487"   "6185449"   "6193735"   "6203561"   "6206898"   "6217595"   "6231588"   "6238405").PN. OR ("6251086"   "6254550"   "6264667"   "6270509"   "6287271"   "6299623"   "6322572"   "6371928"   "6402745"   "6454775"   "6454779"   "6482215"   "6485500"   "6663613"   "RE36764").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 16:27
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## EAST Search History

S68	18	(US-0171002-\$ or US-0938607-\$ or US-4825477-\$ or US-4426295-\$ or US-6197574-\$ or US-6067669-\$ or US-6601242-\$ or US-1442361-\$ or US-6263518-\$ or US-6088844-\$ or US-3800339-\$ or US-5040252-\$ or US-4671976-\$ or US-6195819-\$ or US-5333633-\$ or US-1115016-\$). did. or (US-3402407-\$ or US-1467772-\$).did.	USPAT; USOCR	OR	OFF	2006/04/03 13:14
S69	7	S68 and rubber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:15
S70	10	rubber with drain same hair	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:16
S71	124	rubber with drain with stop\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:27
S72	93	S71 and @ad<"20000720"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:27
S73	19	rubber with (sink tub bath) with (hair clog)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:25
S74	57	rubber with drain with housing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:27
S75	37	S74 and @ad<"20000720"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:34
S76	161	drain with rubber same (sink tub bath shower)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:34

## EAST Search History

S77	108	S76 and @ad<"20000720"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/03 13:34
S78	15	("0934330"   "1203530"   "2021410"   "2024475"   "2166273"   "2829380").PN. OR ("3727763"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/03 13:38